Special Stems for Gas-Actuated Thermometers

Stem without bent tube

A3.2 / A4.2
A4.3

Application

For difficult installation conditions and overlong thermowells.

Standard Versions

For thermometers with rigid connection to stem,
with neck tube (1) between thermometer and stem,
capillary line (2) between connection screw fitting (3) and
vessel (4) (active length La), capllary line wetted, if applicable.

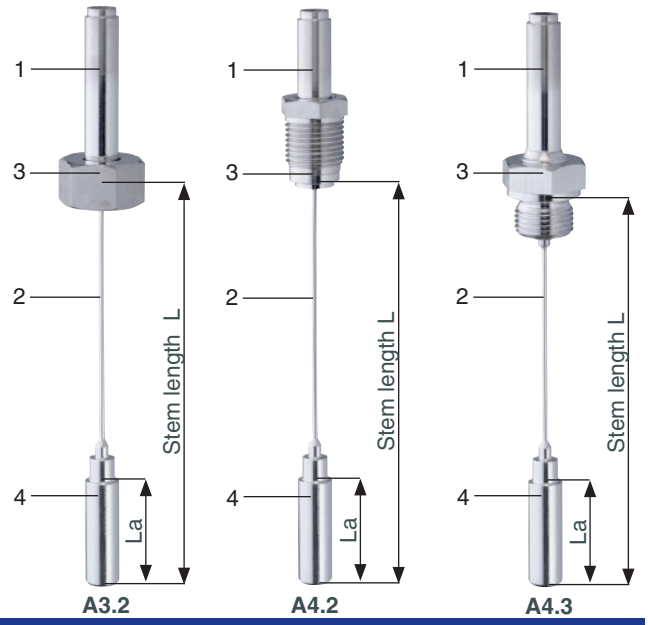
Temperatur Sensor (Stem)
1.4571 (316 stainless steel),
max. static operating pressure 25 bar,
stem models optionally A3.2, A4.2 or A4.3

Stem-Ø dF
8, 10 or 12 mm (0.31", 0.4" or 0.47")

Capillary Line
Stainless steel, Ø 2 mm

Stem length (Capillary line and vessel)
L= 200 mm to 15 m

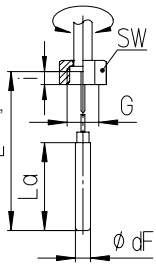
Material Connection Screw Fitting
1.4571 (316 stainless steel)

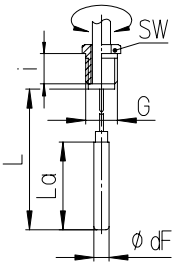


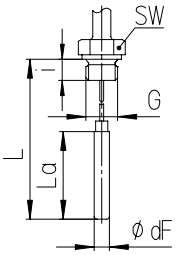
Options among others

- Other process connections upon request
- Other stem- (vessel-) diameter upon request
- Capillary line > 15 m upon request

Stem Model:	A3.2	A4.2	A4.3
Process connection:	**Union nut**	**Male thread, turnable**	**Male thread, rigid**
Order length: **Data sheet** (suitable thermowell models):	L 8.8111 (SF4.1), 8.8113 (SF4.1F), 8.8130 (SF8), 8.8131 (SF9)	L 8.8110 (SF4), 8.8112 (SF4F), 8.8120 (SF5), 8.8121 (SF6, SF7)	L 8.8110 (SF4), 8.8112 (SF4F), 8.8120 (SF5), 8.8121 (SF6, SF7)







Dimensions in mm:

G	SW	i
G ½	27	10
G ¾	32	12
M 20 x 1.5	27	10
M 24 x 1.5	32	12
M 27 x 2	32	12

G	SW	i
G ½B	27	20
G ¾B	32	23
M 18 x 1.5	22	14
M 20 x 1.5	27	20

Thermowell required!

G	SW	i
G ½ B	27	14
G ¾ B	32	16
½" NPT	27	19
¾" NPT	27	19
M 18 x 1.5	24	14
M 20 x 1.5	27	14

Minimum Length (Lmin) and active Length (La)

Stem model:			Length:	Thread:	Stem length including vessel < 5m: up to max. 500 °C, Stem-Ø dF: 12	10	8	Stem length including vessel < 5m: 500 °C and above, Stem-Ø dF: 12	10	8	Stem length including vessel > 5m to 15m: up to max. 500 °C, Stem-Ø dF: 12	10	8	Stem length including vessel > 5m to 15m: 500 °C and above, Stem-Ø dF: 12	10	8
A3.2	A4.2	A4.3	La	all standard threads	35	45	75	75	105	165	53	80	115	150	200	320
A3.2	A4.2	A4.3	Lmin	all standard threads	115	125	155	155	185	245						

The minimum length Lmin corresponds to the length of the vessel plus 80 mm capillary line up to screw fitting.
The active length La of the stem (vessel) has to immerse completely into the medium, to grant a measuring result, which corresponds to the accuracy class.

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